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---EXAMPLES---

IN THE CLAIMS

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Please change "Patent Claims" to ---What is claimed is:---

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Please amend claims 1, 9, 10, 13 and 16-18, as follows, with a marked-up copy of the amended claims being included in an Appendix attached to this amendment:

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B<sup>6</sup> 1. (Amended) A lithium oxide-containing lithium intercalation compound for thin-film electrodes in a form of agglomerates, the agglomerates comprising:

- a specific surface area, determined by the BET method, of from 0.1 to 3 m<sup>2</sup>/g,
  - an agglomerate size, determined from the d<sub>50</sub> value, of greater than 6 μm, and
  - a diameter, determined from the d<sub>90</sub> value, of 100 μm or smaller and intrapores having a size of  $0.3 \mu\text{m} \leq d_{\text{intra}} \leq d_{50}/4 \mu\text{m}$ , and an intrapore volume of at least 0.08 ml/g.
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B<sup>7</sup> 9. (Amended) A process for preparation of a lithium oxide-containing lithium intercalation compound for thin-film electrodes in the form of agglomerates as claimed in claim 1, by

- a) preparation of an intimate mixture of at least one lithium compound and at least one transition-metal compound, followed by heating and grinding, giving a finely divided mixture;
- b) suspension of the finely divided mixture in water with the addition of an at least partially water-soluble polymeric binder, followed by spray-drying, giving dry agglomerates; and
- c) heating of the dry agglomerates in an oxidizing atmosphere at from 450°C to 900°C.

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10. (Amended) A process for preparation of lithium manganese oxide-containing lithium intercalation compounds for thin-film electrodes in the form of agglomerates as claimed in claim 1, by

- a)
  - a1) preparation of an intimate mixture of at least one lithium compound and at least one manganese compound, where at least one of these compounds or the sum of all compounds contains sufficient active oxygen that a number of equivalents of active oxygen is equal to or greater than a number of lithium atoms,
  - a2) heating of the mixture under nitrogen, argon, air, oxygen or an oxygen-containing gas at from 600 to 1000°C and a residence time of from 15 to 120 minutes in a rotary tube furnace,
  - a3) grinding of the heated mixture to give a finely divided mixture;
- b) suspension of the finely divided mixture in water with addition of an at least partially water-soluble binder, followed by spray-drying, giving agglomerates; and
- c) heating of the dry agglomerates in an oxidizing atmosphere at from 450°C to 900°C and a residence time of from 0.5 to 10 hours.

13. (Amended) A process as claimed in claim 12, where polyvinyl alcohol is added in an amount of from 1 to 2% by weight, based on the total weight of solids employed.